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Planning

Supply and Delivery of a Laser Metal Deposition System

University of Strathclyde

F01: Prior information notice

Prior information only

Notice identifier: 2021/S 000-010712

Procurement identifier (OCID): ocds-h6vhtk-02b149

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Section I: Contracting authority

I.1) Name and addresses

University of Strathclyde

40 George Street, Procurement Department

Glasgow

G1 1QE

Contact

Kirstie Peffers

Email

kirstie.peffers@strath.ac.uk

Country

United Kingdom

NUTS code

UKM82 - Glasgow City

Internet address(es)

Main address

<http://www.strath.ac.uk/>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00113

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Supply and Delivery of a Laser Metal Deposition System

II.1.2) Main CPV code

- 42000000 - Industrial machinery

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Strathclyde is seeking notes of interest for the supply, delivery and commissioning of a Laser Metal Deposition system, capable of handling feedstock in the form of both wire and powder.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42000000 - Industrial machinery
- 42990000 - Miscellaneous special-purpose machinery
- 38636110 - Industrial lasers

II.2.3) Place of performance

NUTS codes

- UKM82 - Glasgow City

II.2.4) Description of the procurement

The University is seeking notes of interest for the supply, delivery and commissioning of a Laser Metal Deposition (LMD) system for the National Manufacturing Institute of Scotland (NMIS).

A high level specification is provided below:

1. This potential tender is to procure a “Turn key” LMD system
2. The offered LMD system must have solid state fibre laser with capability for performing additive manufacturing, Cladding/deposition, localised surface treatment applications.
3. The offered LMD system must be capable of delivering a maximum laser power of up to 8 kW.
4. The offered LMD system must be a simultaneous 5 axis system with controller and

functional using CAM programming packages

5. The offered LMD system must have a closed loop process control and monitoring capability.
6. The offered LMD system must be capable of handling feedstock in form of both wire and powder.
7. The offered LMD system must be able to perform cladding operations on inner diameter of components.
8. The offered LMD system must be able to handle reactive materials such as Ti, Al and other alloys
9. The offered LMD system must be capable of processing 2 powders (multiple hoppers) at the same time
10. The offered LMD system must be capable of handling components up to 1m x1m x1m (in X/Y/Z) with min. weight up to 1000 kg
11. The selected supplier is expected to carry out a SAT and deliver the equipment to the AFRC / NMIS
12. The offered Turnkey LMD system must comply to all H&S regulations for the technologies (i.e laser proof viewing window, etc.)
13. The offered turnkey LMD system must be installed onsite within 8 months of award.

II.3) Estimated date of publication of contract notice

7 June 2021

Section IV. Procedure

IV.1) Description

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

VI.3) Additional information

NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at

https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=654024.

(SC Ref:654024)